WHAT IS CLAIMED IS:

1 ,	1. A recombinantly produced L1 major capsid protein, or antigenic substantially
2	fragment thereof, wherein said protein is capable of reproducing the antigenicity
3	of intact papillomavirus virions.
1	2. The protein of claim 1, wherein said protein is produced in a
2	baculovirus expression system.
1	3. The protein of claim 1, wherein said protein is produced in cos cells.
1	4. A vector comprising the protein of claim 1.
1	5. The vector of claim 4, wherein said vector is pSVL.
1	6. The vector of claim 4, wherein said vector is a baculovirus vector.
1	7. A host comprising the vector of claim 4.
1	8. A host comprising the vector of claim 5.
1	9. A host comprising the vector of claim 6.

1	10.	The protein of claim 1, wherein said protein is L1 protein of a
2	human papil	lomavirus selected from the group consisting of HPV 1, 2, 3a, 4,
3	5, 6b, 7, 8,	9, 10, 11a, 12, 13, 16, and 18.
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1	11.	The protein of claim 10, wherein said HPV is 16 or 18.
		
1	5 n > 12.	A vaccine for the prevention of papillomavirus infection, said
2		prising at least one PV type of recombinantly produced L1 protein
3	or antigenic	fragment thereof, which is capable of reproducing the antigenicity
4	of intact pap	illomavirus virions.
1	13.	The vaccine of claim 12, further comprising an immunogenic
2	carrier.	
1	14.	The vaccine of claim 13, wherein said carrier is bovine serum
2	albumin or k	keyhole limpet hemocyanin.
1	15.	The vaccine of claim 12, wherein said vaccine comprises L1
2	protein of H	PV 16.
1	16.	The vaccine of claim 12, wherein said vaccine comprises L1
2	protein of H	PV 18.

1	17. The vaccine of claim 12, wherein said vaccine comprises L1
2	protein of HPV 16 and HPV 18.
1	18. The vaccine of claim 12, wherein said PV is selected from HPV
2	1, 2, 3a, 4, 5, 6b, 7, 8, 9, 10, 11a, 12, 13, 16 and 18.
1	19. A method for protecting an animal against a papillomavirus
2	infection, said method comprising
3	administering a therapeutically effective amount of a vaccine,
4	wherein said vaccine comprises at least one PV type of recombinantly produced
5	L1 protein, or antigenic fragments thereof, which is capable of reproducing the
6	antigenicity of intact/papillomavirus virions.
1	20. The method of claim 19, wherein said animal is a human.
1	21. The method of claim 20, wherein said PV is selected from HPV
2	1, 2, 3a, 4, 5, 6b, 7, 8, 9, 10, 11a, 12, 13, 16 and 18.
1	22. The method of claim 21, wherein said HPV is at least one of
2	HPV 16 and 18.
1	23. The method of claim 21, wherein said HPV is at least one of
2	HPV 3a and 10.

	1	24. The method of claim 21, wherein said HPV is at least one of
	2	HPVs 3a, 5, 8, 9, 10 and 12.
3	1	25. The method of claim 21, wherein said HPV is at least one of 1,
	2	2, 4 and 7.
	1 2	26. The method of claim 21, wherein said HPV is at least one of 6b, 11a, 13 and 16.
	1	27. A pharmaceutical composition for treating papillomavirus
	2	infection said composition comprising
	3	a therapeutic amount of an antibody raised against a recombinantly
	4	produced L1 protein, or antigenic fragments thereof, capable of reproducing the
	5	antigenicity of intact papillomavirus virions, in a pharmaceutically acceptable
	6	carrier, wherein said antibody is kinked to a drug therapy.
	1	28. The pharmaceutical composition of claim 27, wherein said
	2	antibody is a monoclonal antibody.
	1	29. The pharmaceutical composition of claim 28, wherein said
	2	monoclonal antibody is linked to an antiviral agent.

1	30. A method for treating a papillomavirus infection in an animal,
2 _	said method comprising
-	administering a therapeutically effective amount of the
•	pharmaceutical composition of claim 27.
1	31. The method of claim 30, wherein said animal is a human.
1	32. The method of claim 31, wherein said PV is selected from HPV
2	1, 2, 3a, 4, 5, 6b, 7, 8, 9, 10, 11a, 12, 13, 16 and 18.
1	33. The method of glaim 32, wherein said HPV is at least one of
2	HPV 16 and 18,
1	34. The method of claim 32, wherien said HPV is at least one of
2	HPV 3a and 10.
1	35. The method of claim 32, wherein said HPV is at least one of
2	HPVs 3a, 5, 8, 9, 10 and 12.
1	/ 36. The method of claim 32, wherein said HPV is at least one of 1,
2	2,/4 and 7.

1	37. The method of claim 32, wherein said HPV is at least one of 6b,
2 .	11a, 13 and 16.
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1	38. An antibody capable of protecting against or treating a
2	papillomavirus infection wherein said antibody is raised against a recombinantly
3	produced L1 protein, or antigenic fragments thereof, capable of reproducing the
4	antigenicity of intact papillomavirus virions.
1	39. The antibody of claim 38, wherein said antibody is a monoclonal
2	antibody.
1	40. The antibody of claim 39, wherein said antibody is linked to an
2	antiviral agent.
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